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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No.	
First Inventor or Application Identifier	Richard Arthur Halavais
Title	Seat Selection Ticket & Reservation System
Express Mail Label No.	

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- ☒ Specification [Total Pages 14]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 28]
- Oath or Declaration [Total Pages 3]
  - ☒ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 16 completed)
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

\* NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

ADDRESS TO: Assistant Commissioner for Patents  
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- ☐ Microfiche Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Copy
  - ☐ Paper Copy (identical to computer copy)
  - ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 C.F.R. § 3.73(b) Statement of Power of Attorney (when there is an assignee)
- ☐ English Translation Document (if applicable)
- ☒ Information Disclosure Statement (IDS)/PTO-1449 [Copies of IDS Citations]
- ☐ Preliminary Amendment
- ☐ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☒ \* Small Entity Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Other: \_\_\_\_\_

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_  
 Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☒ Correspondence address below

Name	Richard Arthur Halavais				
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Name (Print/Type)	Registration No. (Attorney/Agent)
Signature	Date

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**STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) & 1.27(b))--INDEPENDENT INVENTOR**

Docket Number (Optional)

Applicant, Patentee, or Identifier: Richard Arthur Halavais

Application or Patent No.: \_\_\_\_\_

Filed or Issued: \_\_\_\_\_

Title: Individual Seat Selection Ticketing & Reservation System

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

- ☐ the specification filed herewith with title as listed above.  
☒ the application identified above.  
☐ the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☒ No such person, concern, or organization exists.  
☐ Each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Richard Arthur Halavais

Tony C. Chung

NAME OF INVENTOR

NAME OF INVENTOR

NAME OF INVENTOR

Signature of inventor

Signature of inventor

Signature of inventor

Date

Date

Date

Patent Application of

Richard A. Halavais and Tony C. Chung

for

**TITLE: INDIVIDUAL SEAT SELECTION TICKETING AND RESERVATION SYSTEM**

**CROSS REFERENCE TO RELATED APPLICATIONS**

Not applicable

**BACKGROUND -- FIELD OF INVENTION**

This invention relates to an electronic means by which people can select the exact seat or seats they want for any type of event or reserve an appointment for any activity such as a doctor or dentist appointment or even an appointment to have their car lubed. More specifically, a customer or a ticket re-seller or a venue operator can go, for example, to the internet and select the event or activity for which they want a ticket or tickets or reserve a time and reserve and order the exact seat or seats or the time of their choosing directly online. The seat or seats or reserved time they select is then removed from the inventory for that activity or event and made not available for any other buyer and such is so indicated by a graphical representation or other such indicator on the online

map or picture representing availability of seating or time for that event. For an appointment reservation, the user connects to the internet or other wide area network, such as a bulletin board, from his home or office computer and connects to a page that displays a reservation calendar where he can interact such as to reserve a specific time period for himself.

## **BACKGROUND OF THE INVENTION AND PRIOR ART**

### **1. Field of the Invention**

In accordance with the present invention a remote location ticketing and reservation system for any venue comprises an internet or network compatible computer program constructed generally to afford access to a database, or other record maintained in electronic form, containing information about all sold and unsold seating for any specific venue or event and means and method by which a remote user, through use of a computer terminal or other such device, may access said database or other record and receive at his location through any computer terminal or other such device information about which specific seats remain available and then through a computer mouse or keyboard or other such input device select a specific seat or seats for that specific event and reserve such for himself for use during said event.

### **2. Prior Art**

The inadequacy and inefficiencies of present ticketing and reservation systems is recognized and addressed through this invention. The rapid growth of the internet now make it possible for anyone at his home or office to avail himself of the advantages of the instant invention through a simple internet or other wide area network connection.

Prior art makes a feeble attempt to address the inconvenience of ticket ordering. In U. S. patent 5,797,126 (1988), Helbling, et al., describes a series of individual kiosks in wireless communication with a central station where a visitor can locate events of interest, view an excerpt of scenes from that venue and purchase tickets. This falls far short of the instant invention since it still requires a user to physically visit a remote site to avail himself of the service. Additionally, said prior art makes extensive use of what is called "kiosks" implying that, unlike the instant invention, it is only from his specialized machines that such services may be rendered.

U.S. patent 4,974,252 describes a more interactive theater attendance system where patrons are permitted two way communications between themselves and a broadcast center but this is still far from the objectives of the instant invention and requires that persons be in attendance at the theater and, further, some attendant be present at the remote broadcast center. The instant invention is fully automated and, other than the normal monitoring of any application for a wide area network, requires no human attendance or intervention.

U.S. patent 3,427,438 describes a ticket vending system where sales of tickets can be recorded on a seating layout but, again falls far short of the instantaneous update and automatic operation of the instant invention. U.S. patent 5,333,257 allows for a view from a seat but that is now common for internet applications where a hyperlink to any graphic is routinely provided and ancillary to and even unnecessary to the instant invention. Other prior art does nothing to make ticket ordering or seating reservations more readily available and does nothing to improve the information flow to prospective customers so that they may make a more informed decision about attending any given event.

Consider the traveler who has planned a vacation in, say, New York City and wants tickets for some Broadway show. Presently he has either to phone ahead and accept some one else's definition of what constitutes "best available" or wait until he gets into town and seek out a scalper or reseller agency and he still isn't sure exactly what his seats offer.

### **Objects and Advantages**

Accordingly, besides the objects and advantages of the remote location ticketing and reservation system described in my above patent, several objects and advantages of the present invention are:

- (a) to always provide customers with a seat selection comprised of the total of the then best available seats for any given event;
- (b) to make equally available to all customers all then available seats for any given event so that said customer may select for himself the seat or seats he wants for that event;
- (c) to provide an alternative means to visiting the box office or a ticket reseller for a customer to select and reserve for himself the then best available seat or seats for any arena, stadium, theater, airline flight, or any other such venue where seating is available;

- (d) to provide to a ticket sensitive venue operator better control over the seating and seat availability for the various events he offers;
- (e) to provide to a ticket sensitive venue operator better accounting for his seating for the various events he offers;
- (f) to provide to the general public a more cost effective means by which he may reserve and buy tickets for any given event;
- (g) to provide to a venue operator a more cost effective means by which he may sell tickets for any given event;
- (h) to provide to the general public an automated 24 hour a day, seven day a week means by which he may reserve and purchase the specific seats he want for an event;
- (i) to provide to a venue operator an automated 24 hour a day, seven day a week means by which he may offer reservation and purchase of a seat or seats that are individually selectable by a customer;
- (j) to permit the venue operator to avoid overbooking an event;
- (k) to permit the venue operator to avoid underbooking an event;
- (l) to permit a doctor or other professional for whom his time is a commodity to better schedule and regulate his time and interact with patients or others in the online environment;
- (m) to provide to the general public a 24 hour a day, seven day a week means by which they may schedule appointments with doctors, dentists, automotive mechanics and the like with full knowledge that the appointment time they select is still available.

Further objects and advantages are to provide any venue operator the benefit of better control over his ticket inventory and sales such as to improve his profitability and the efficiency of his operation and to provide to the general ticket buying public better information and an easier means by which they may acquire their desired ticket or tickets for any event.

#### **SUMMARY OF THE INVENTION**

The ticketing and reservation system of the present invention, in one particular embodiment thereof, includes a computer program operating on a server for a wide area network (WAN), generally described by the flow chart of Figure 1 and the accompanying code example which implements the instant invention in practice:

**First**, when a user accesses the system means is provided to initialize the process and return to the user a menu from which he selects his venue of interest. This can be a selectable menu arranged by artist or date or time or specific theater or football team or baseball team or name or activity or any combination thereof such that the user is given sufficient information from which to make a decision. An example would be someone looking for the next event at a given theater at a time that starts at 7:00pm. One of many possible series of computer instructions to perform this function is:

```
< -.Send database query to retrieve all venues that are currently available in the system - >
< - Server receives and processes query - >
< - Query is looped until all available performances and venues are retrieved. - >
< - Markup Language engine converts result to display compatible format for output to client
computer - >
< - Begin normal markup language here - >
< - Begin reservation process selecting the event date/time next to the desired venue ->
```

**THEN**, upon user submittal, the server initializes the process of returning to the user all available seats:

```
< -.Send database query to retrieve all seats that are currently available in the system for
this event - >
< - Server receives and processes query - >
< - Query is looped until all available seats are retrieved. - >
< - markup language engine converts result to markup language format for output to client
computer - >
< - Begin normal markup language here - >
< - Continue reservation process by selecting the desire seat or seats ->
```

**THEN**, upon user submittal we create a new customer record in the Wide Area Network server and tell the system which database to connect to to fulfill the users request(s):

```
< - Send database command to insert new record in customer database and obtain record id
- >
```

< - Send database command to insert new record in reservation "order" database and obtain record id - >

< - Send database command to insert new record for each selected seat in the reservation "detail" database - >

< - Begin normal markup language here - >

< - Continue reservation process by requesting client payment information - >

**THEN**, upon user submittal the information is passed for verification:

< - Submit client information for verification - >

< - if verification is successful, send database command to update customer record in customer database with information previously collected - >

< - if verification is successful, send database command to update reservation record in reservation "order" database with verification information - >

< - if verification is successful, send database command to remove selected seats from seat inventory database and marked as no longer available for future selection - >

< - Markup language engine converts result to markup language format for output to client computer - >

< - Begin normal markup language here - >

< - If verification is successful, confirmation is generated via Markup language engine to markup language format for output to client computer - >

< - if verification is unsuccessful, a failure notice is generated via Markup language engine to markup language format for output to client computer - >

< - if verification is unsuccessful, client is presented with option to provide his payment information again or abandon his reservation - >

While this is one preferred form of the code there are many other code sequences that will perform the same function that will be immediately obvious to one skilled in the art.

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

The aforementioned objects and advantages of the present invention as well as additional objects and advantages thereof will be more fully understood hereinafter as a result of a detailed



description of a preferred embodiment when taken in conjunction with the following drawings in which:

FIG 1 is a block diagram of the present invention illustrating the major components thereof and the interactivity that takes place between the potential customer and the instant invention.

FIG 2 is an illustration of the concept of the present invention utilizing the internet as the Wide Area Network to which users connect to perform the desired function and shows an example of a remotely located user accessing the functionality of the instant invention for purposes of reserving seats for a dinner theater performance in a distant city.

FIG 3 is a illustration of the concept of the present invention refined down to the functionality of reserving specific seats and blocking from duplicate sale those seat that are already reserved.

Figure 4 is a sample of the screens seen by a remote user of the instant invention during a session wherein he selects and orders 4 specific seats for a distant dinner theater show.

Figure 5 is a complete code set for one preferred embodiment of the present invention.

#### **DETAILED DESCRIPTION OF PREFERRED EMBODIMENT**

Referring to FIG 1, it will be seen that the operator of a venue implements the instant invention for purposes of allowing remotely located users to reserve specific seating for specific events **1**. By doing so, he initiates those certain actions necessary to displaying an internet web site to all online users **2**. A prospective customer for the venues offering(s) logs onto the internet **3** and acquires the aforesaid internet web site **4** which implements the instant invention. He can be connected to the internet by any conventional means yet this by no means implies that the wide area network must be what is commonly referred to as the "internet." Upon first contact by the prospective customer, an inquiry is directed to the appropriate database, which may be located concurrent with the primary server hosting the program for the instant invention or may be located remotely, such as at the physical location of the venue, asking for a return of information to the prospective customer of all appropriate information contained therein relative to his inquiry **5**. The prospective customer indicates his desired seat or seats through conventional computer input means and directs that information back to the server hosting the code necessary to the implementation of the instant invention **6**. Upon contact **7** the server again makes an appropriate

database query and returns to the prospective customer all pertinent information relating to his selection, such as which seats are still available for the chosen performance, airline flight, boxing match, etc. The prospective customer is then presented with a representation of all then available seating for his selected venue **8**. From this representation, the prospective customer makes his selection of a seat or seats by indicating such through a mouse click, keyboard entry or other means, such as but not limited to a touch screen. Simultaneously, the server, through the coding necessary to implement the instant invention, creates a temporary customer identification **9** that is used to associate this potential customer with his later selections and permit system use by multiple simultaneous users. Once the customer has made his seat selection he is asked for payment information **10**. That information is processed through conventional internet or other electronic means and once the information and payment are verified **11a** the customer information, as supplied in **10**, is made permanent and the seat or seats he has selected are removed from inventory and blocked from duplicate sale, both graphically when presented to the next prospective customer and in the database where information for accounting and administrative purposes is retained. If the customer's payment information cannot be verified **11b** then he is given an opportunity to correct the information or start over with a new transaction. Upon verification of the customers payment information he receives a confirmation of the transaction **13** containing all appropriate reference information for his records.

Referring to FIG 2, it will be seen that, for example, a user in Houston **13** is planning to vacation in New York and wishes to see a play at a dinner theater there that utilizes the present invention for ticketing and reservations **15**. The user in Houston, or in any other location worldwide, connects to the internet in the conventional way and retrieves the appropriate web site through his graphical browser from a server located in, say, Anaheim, California **14**. Through implementation of the instant invention the user is able to see the exact seating arrangement of the remote dinner theater and select the exact seat or seats he wants for the performance of his choice. Such

additional information as is appropriate can be provided to the remote user to assist him in making an informed decision as to which seat or seats he wishes to occupy for this performance.

Referring to FIG 3, it will be seen that in view (a) of the user selected venue all seats at table P11 **17** and at table S14 **18** have been previously taken and are so indicated by the graphical representation of an "X" over those seats. Our potential customer wants to seat a party of four at table S1 **16** and so indicates by clicking his mouse on those four seats or by so indicating through alternative standard computer input means. Once his payment method is verified his selected seats are removed from inventory and so indicated on the graphical representation by placing an "X" over those seats **19** while retaining the "X" over those seats previously sold at table P11 **20** and table S14 **21**. The next prospective customer is advised that these seats are no longer available for this performance by the new graphical representation that is his first viewing screen upon entry into the system. In the event that two prospective customers wish to reserve the exact same seat or seats, that prospective customer who first receives validation of his payment method is given those seats while the other prospective customer is notified that while making his decision the seats he wants have already been sold and offers him a chance to select other seating

Referring to Figure 4, one will see the screens presented to a user when he accesses the system and as he progresses through the process of selecting a specific seat or seats then reserves and pays for them. Figure 4(a) is where the first screen presented shows links to available performances for that selected venue **22**. Figure 4(b) is the second screen **23** and shows a view of the seating available for that venue with seats that have already been taken crossed off with an "X" **24**. Our hypothetical user decides that he would like to have his party of four sit at table S11 **25** and selects the four seats around that table by clicking on them with his mouse. As he moves his mouse over individual seats the seat number appears in the window at the bottom of his screen **26** and when he clicks on a seat it is added to a running tally of the seats he has already taken **27**. Only seats have not previously been taken show up in the mouse-over window **26**. After completing his selections the user clicks on the "Reserve Seats" button and Figure 4(c) shows his

next screen which asks him for his payment information **28**. He enters the required information and again clicks the "Reserve Seats" button **29**. Figure 4(d) is the next screen and it tells him that his payment method has been accepted (or rejected) and relates information about the transaction **30** such as his transaction code and the receipt number that he can use as a ticket or as a voucher with which to redeem his ticket or tickets at the venue box office when he arrives for the performance. Finally, Figure 4(d) shows the opening screen the next visitor to the system is presented with the same set of screens except that the seats reserved by our hypothetical user **31** are marked off as already taken.

Referring to Figure 5, one will see one of many possible coding schemes making possible the results of the present invention.

Those having skill in the art to which the present invention pertains will now understand that there are virtually unlimited uses for the present invention. By way of example, the present invention may be readily used to reserve specific seats on commercial airliners or reserve specific staterooms on a cruise ship, as well as for reserving seats for any venue from community theater or little league baseball to major league sporting events.

The present invention has been described in sufficient detail to enable one skilled in the art to make and use the invention. Accordingly, specific details which are readily available in the art or otherwise conventional have been omitted to prevent obfuscation of the essential features of the invention.

In view of the foregoing it will be understood that the present invention may be implemented in a variety of alternative methods but that all such implementations are deemed to be within the scope of the present invention which is to be limited only by the claims appended hereto:

I claim:

1. A method of reserving space or time or reserving and buying tickets for attendance or seating at any event or activity comprising the steps of:
  - (a) communicating on demand through a wide area network to any and all devices connected to said wide area network such information as is contained in a database populated with a

multiplicity of entries denoting availability of space for any venue wherein said space is needed or desired;

- (b) displaying such information in a graphical or other fashion such that any end-user connected to said wide area network can view such as an informational aid in determining the best then available space or seating or time conforming to that users definition for any activity or event;
  - (c) providing through said device connected to said wide area network to any end user the capability of interactively selecting a time a space a seat or seating of his choice;
  - (d) providing through said device connected to said wide area network to any end user the capability of paying for the time or space or seating selection of his choice;
  - (e) returning through said device connected to said wide area network to any end user verification of the successful completion of his transaction such acting as a ticket or tickets or voucher for exchange for a ticket or tickets or confirmation upon arrival at the physical location of the activity or event for which space or time or ticketing was secured.
2. The method described in claim 1 wherein the space or time or seat or seating sought is for a theater or theater type setting.
  3. The method described in claim 1 wherein the space or time or seat or seating sought is for a stadium or other such type setting.
  4. The method described in claim 1 wherein the space or time or seat or seating sought is for an airplane or airliner.
  5. The method described in claim 1 wherein the space or time or reservation sought is accommodations on a cruise ship.
  6. The method described in claim 1 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.
  7. The method described in claim 2 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.
  8. The method described in claim 3 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.
  9. The method described in claim 4 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.

10. The method described in claim 5 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.
11. The method described in claim 1 wherein the communication connection between the information server and the end user is a satellite link.
12. The method described in claim 2 wherein the communication connection between the information server and the end user is a satellite link.
13. The method described in claim 3 wherein the communication connection between the information server and the end user is a satellite link.
14. The method described in claim 4 wherein the communication connection between the information server and the end user is a satellite link.
15. The method described in claim 5 wherein the communication connection between the information server and the end user is a satellite link.
16. The method described in claim 1 wherein the communication connection between the information server and the end user is wireless.
17. The method described in claim 2 wherein the communication connection between the information server and the end user is wireless.
18. The method described in claim 3 wherein the communication connection between the information server and the end user is wireless.
19. The method described in claim 4 wherein the communication connection between the information server and the end user is wireless.
20. The method described in claim 5 wherein the communication connection between the information server and the end user is wireless.
21. Means and methods by virtue of the computer coding and processing described herein for accounting for seats, seating and/or space such that the same seat, seating and/or space is not double sold for the same event.
22. Means and methods by virtue of the computer coding and processing described herein for managing the inventory of seats, seating and/or space such that the operator of any venue is always able to be made aware of unsold seats, seating and/or space.
23. A centralized database generated by the computer coding and processing described herein that is accessible by subscribed venue operators such as to provide them with a full and complete

accounting of the status of all seats, seating and/or space included within the operating parameters of said system.

\* \* \* \* \*

04-04-2004 14:00

## ABSTRACT

This invention relates to an electronic means by which people can select the exact seat or seats they want for any type of event or reserve an appointment for any activity such as a doctor or dentist appointment or even an appointment to have their car lubed. More specifically, a customer or a ticket re-seller or a venue operator can go, for example, to the internet and select the event or activity for which they want a ticket or tickets or reserve a time and reserve and order the exact seat or seats or the time of their choosing directly online. The seat or seats or reserved time they select is then removed from the inventory for that activity or event and made not available for any other buyer and such is so indicated by a graphical representation or other such indicator on the online map or picture representing availability of seating or time for that event. For an appointment reservation, the user connects to the internet or other wide area network, such as a bulletin board, from his home or office computer and connects to a page that displays a reservation calendar where he can interact such as to reserve a specific time period for himself.



1. A venue operator implements the instant invention for his use as his own ticketing and reservation system.

2. That specific venue is recorded, coded and placed on a server connected conventionally to the internet or any such wide area network.

3. A prospective customer for tickets to any some event logs onto the internet, or other such wide area network, in his conventional manner, whether from home or office or any remote location.

4. Said prospective customer attaches to the server through any conventional graphical browsing means and views the available venues, performances, dates, and/or other such offerings.

6. Said prospective customer selects a specific area of interest from the available venues. Such may be theater tickets for a particular show date, airline seats for a given flight, etc., and indicates his selection through a conventional hyperlink or other compatible means.

5. Upon first access an inquiry is made to the appropriate database asking for a return to the prospective customer of all generalized information available from which he will make a selection of the type of venue he is seeking.

7. Upon contact the server makes another appropriate database query asking for a return to the prospective customer of all specific information relating to his selection, i.e., available seats for the chosen airline flight, from which he will make his selection or selections.

8. Upon return the prospective customer is presented with a representation of all available seating for his selected venue. From this representation, which may be graphical or displayed in any other appropriate way, he makes a selection of the specific seat or seats he wishes to reserve and submits such to the server.

10. The server requests payment information from the now customer through a form input mechanism. Once completed and submitted customers payment information is verified through conventional means with any of the existing processing means.

9. The server creates a temporary customer identification and associates the prospective customers selections with that specific identification so as to preclude confusion and allow multiple simultaneous users.

11(A). If customer's payment information verification is successful then:  
(a) the customers information, as supplied in Step 10, is made permanent and;  
(b) those specific seats as selected by the customer are removed from available inventory and;  
(c) marked as unavailable on the graphical representation of the venue seating as presented to the next prospective customer;  
(d) entered into the accounting and administration information database for later retrieval by the venue operator..

11(B). If customers payment information verification is not successful then:  
(a) customer is given the opportunity to correct his submittal and try again;  
(b) customer can return to the beginning and repeat the entire process.

12. A confirmation of the transaction, containing the transaction identification and other pertinent information is returned to the customer

Figure 1

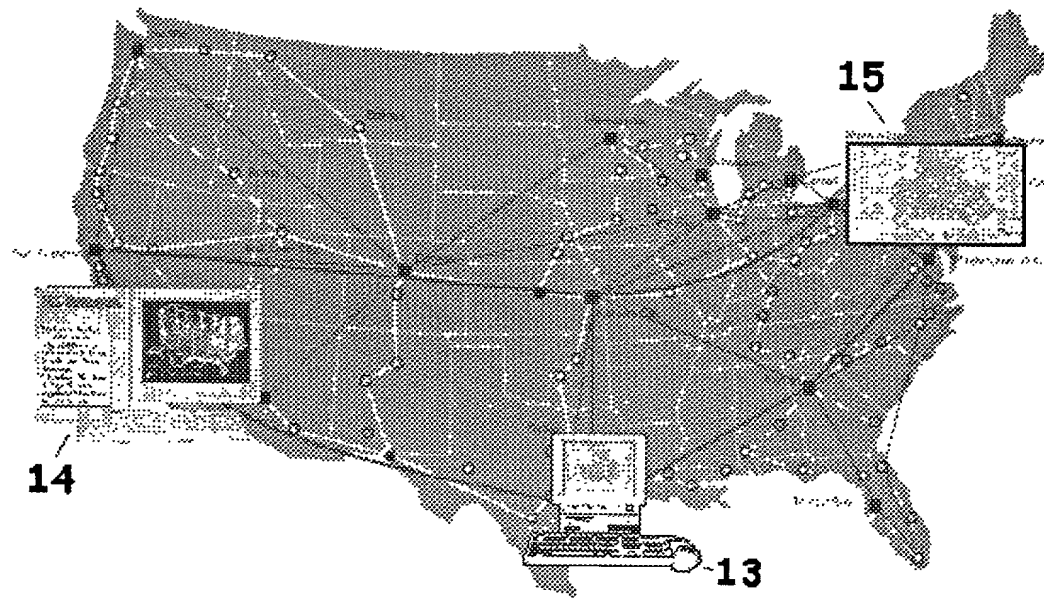


Figure 2

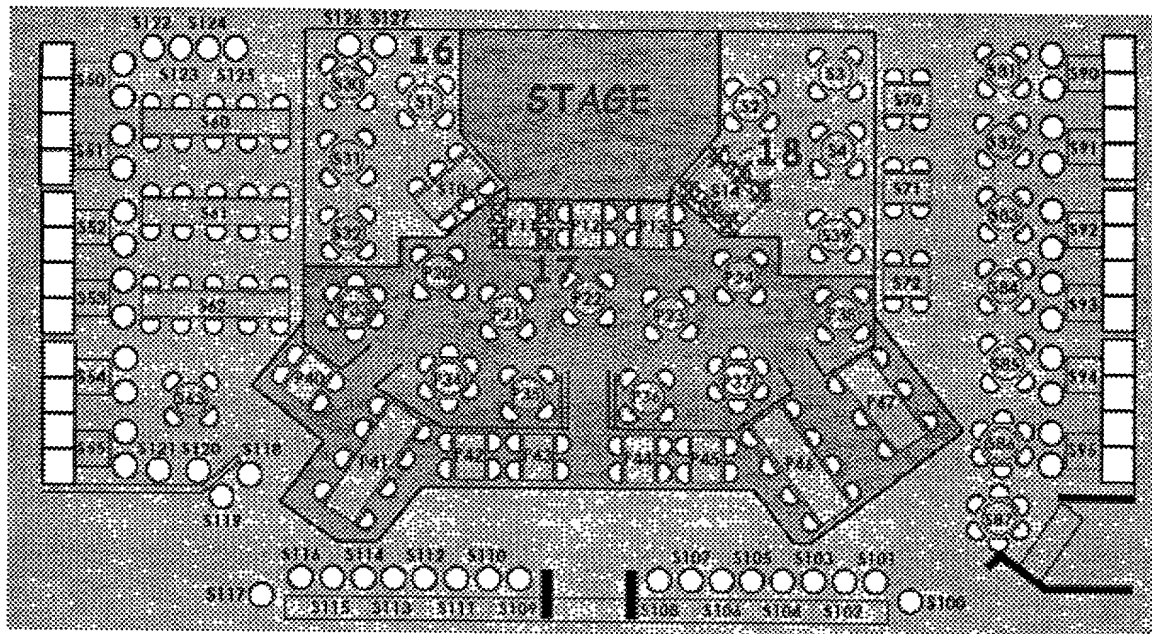


Figure 3a

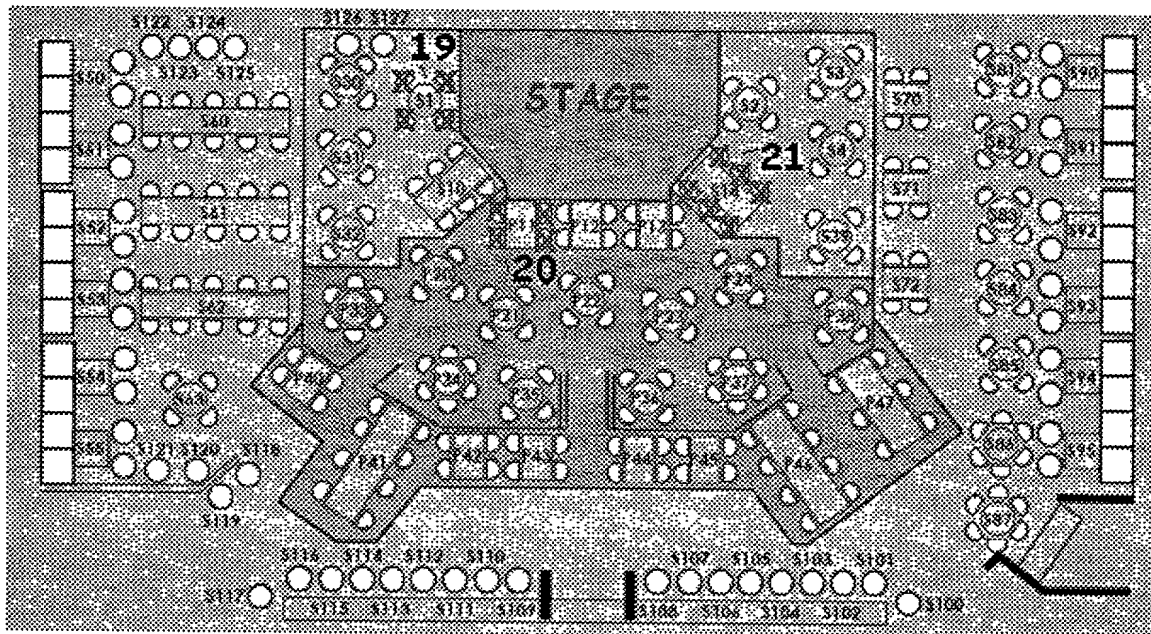


Figure 3b

Start Figure 4

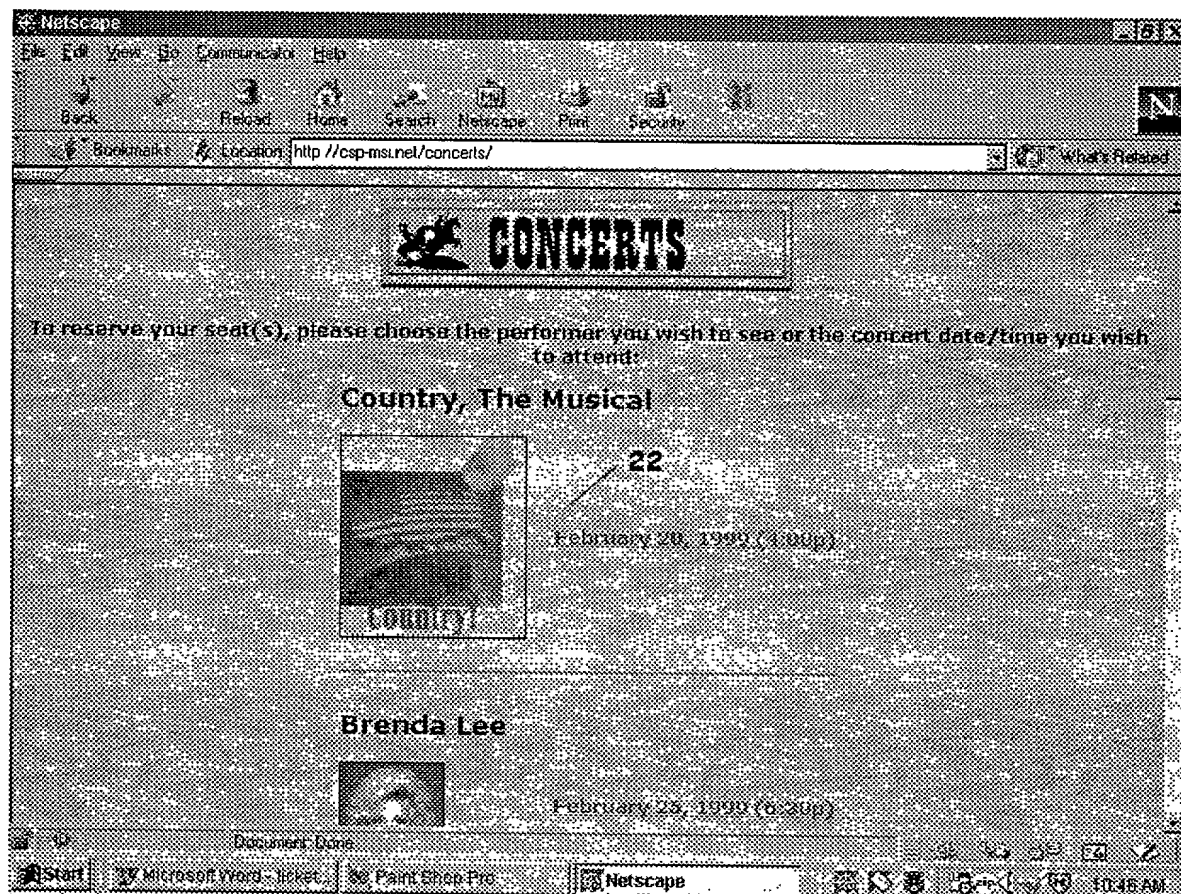


Figure 4(a)

09295577-04299

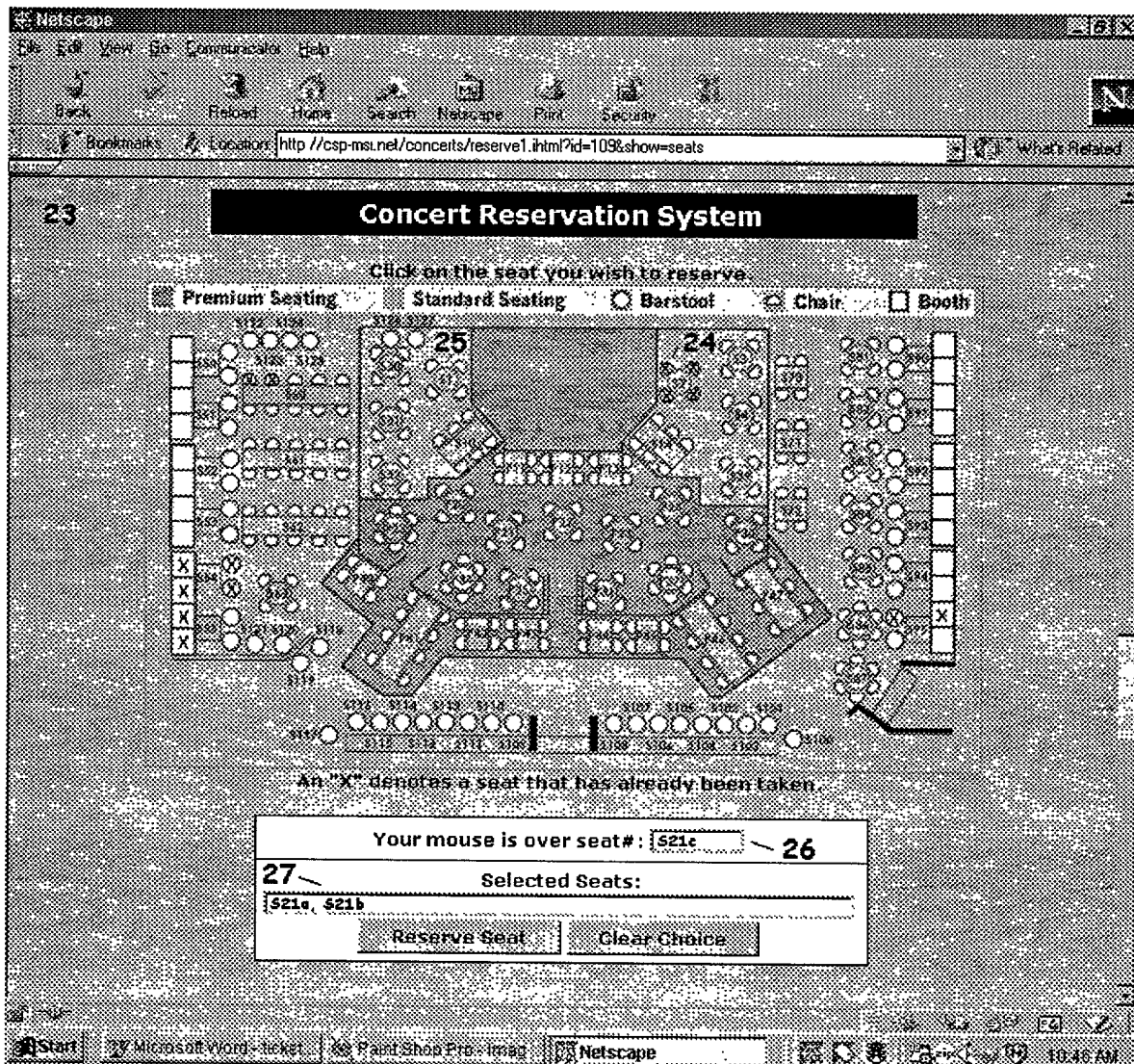


Figure 4(b)

Customer Information - Netscape

File Edit View Go Commando Help

Back Forward Reload Home Search Netscape Print Security

Location: http://csp-msi.net/concerts/reserve2.html

What's Related

### Concert Reservation System

CUSTOMER INFORMATION	
Name as appear on CC	Richard Halavais
Phone	714-693-1171
Email	rhal@msintergate.com
CC Number	4111111111111111
Expiration (MM/YY)	Month 09 / Year 99 ... example: 12/99
<div>Reserve Seats</div> <div>Clear Choices</div>	

Document: Done

Start Microsoft Word - ticket... Paint Shop Pro - Image Customer Informatio...

10:52 AM

Figure 4(c)



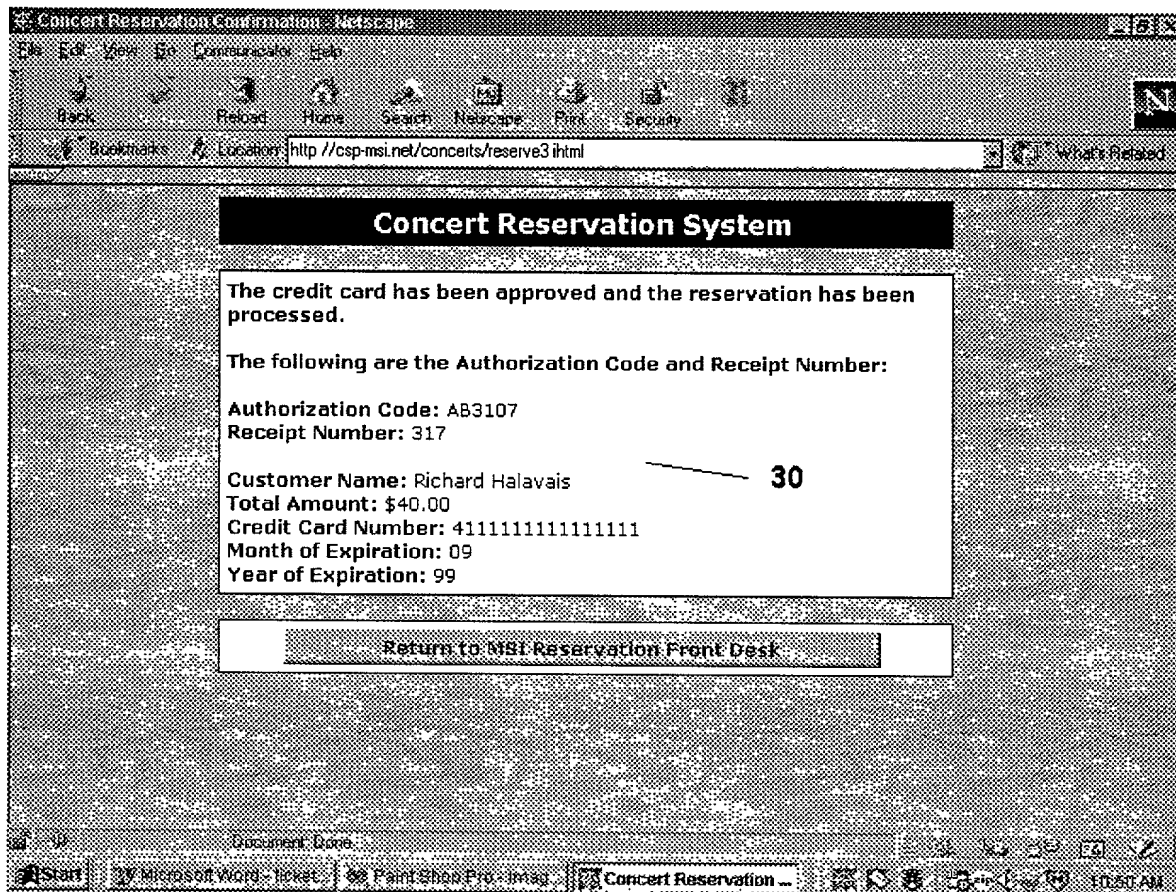


Figure 4(d)

09291577, 042299

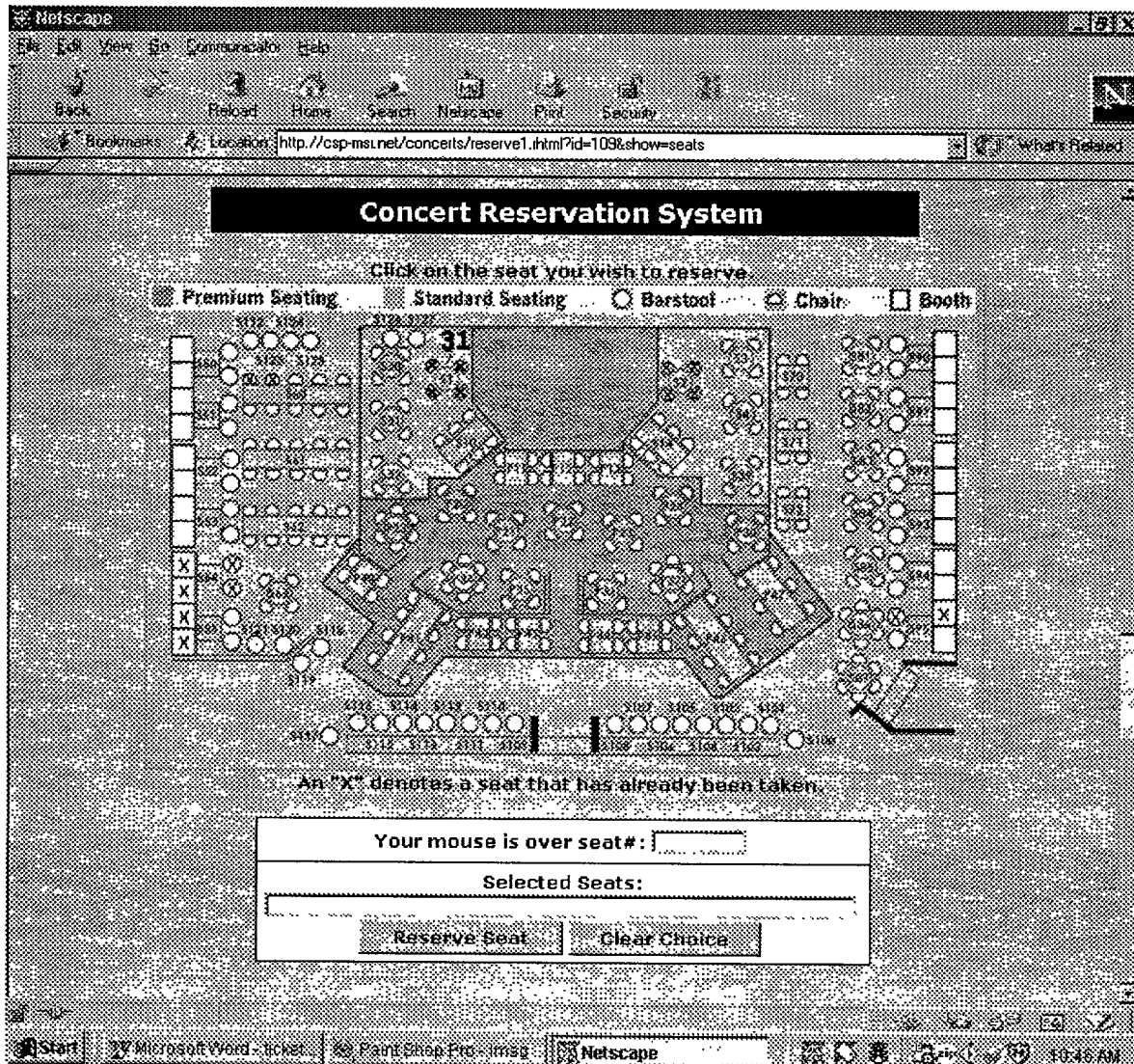


Figure 4(e)

End Figure 4



Parameter	Unit	Value	Standard Error	t-Statistic	p-Value
Intercept		0.0000	0.0000	0.0000	0.0000
Age	Years	0.0000	0.0000	0.0000	0.0000
Age squared	Years squared	0.0000	0.0000	0.0000	0.0000
Age cubed	Years cubed	0.0000	0.0000	0.0000	0.0000
Age quart	Years quart	0.0000	0.0000	0.0000	0.0000
Age quint	Years quint	0.0000	0.0000	0.0000	0.0000
Age sext	Years sext	0.0000	0.0000	0.0000	0.0000
Age sept	Years sept	0.0000	0.0000	0.0000	0.0000
Age oct	Years oct	0.0000	0.0000	0.0000	0.0000
Age non	Years non	0.0000	0.0000	0.0000	0.0000
Age dec	Years dec	0.0000	0.0000	0.0000	0.0000
Age elev	Years elev	0.0000	0.0000	0.0000	0.0000
Age twelv	Years twelv	0.0000	0.0000	0.0000	0.0000
Age thirte	Years thirte	0.0000	0.0000	0.0000	0.0000
Age fourte	Years fourte	0.0000	0.0000	0.0000	0.0000
Age fift	Years fift	0.0000	0.0000	0.0000	0.0000
Age sixt	Years sixt	0.0000	0.0000	0.0000	0.0000
Age seve	Years seve	0.0000	0.0000	0.0000	0.0000
Age eight	Years eight	0.0000	0.0000	0.0000	0.0000
Age nine	Years nine	0.0000	0.0000	0.0000	0.0000
Age ten	Years ten	0.0000	0.0000	0.0000	0.0000
Age elev	Years elev	0.0000	0.0000	0.0000	0.0000
Age twelv	Years twelv	0.0000	0.0000	0.0000	0.0000
Age thirte	Years thirte	0.0000	0.0000	0.0000	0.0000
Age fourte	Years fourte	0.0000	0.0000	0.0000	0.0000
Age fift	Years fift	0.0000	0.0000	0.0000	0.0000
Age sixt	Years sixt	0.0000	0.0000	0.0000	0.0000
Age seve	Years seve	0.0000	0.0000	0.0000	0.0000
Age eight	Years eight	0.0000	0.0000	0.0000	0.0000
Age nine	Years nine	0.0000	0.0000	0.0000	0.0000
Age ten	Years ten	0.0000	0.0000	0.0000	0.0000
Age elev	Years elev	0.0000	0.0000	0.0000	0.0000
Age twelv	Years twelv	0.0000	0.0000	0.0000	0.0000
Age thirte	Years thirte	0.0000	0.0000	0.0000	0.0000
Age fourte	Years fourte	0.0000	0.0000	0.0000	0.0000
Age fift	Years fift	0.0000	0.0000	0.0000	0.0000
Age sixt	Years sixt	0.0000	0.0000	0.0000	0.0000
Age seve	Years seve	0.0000	0.0000	0.0000	0.0000
Age eight	Years eight	0.0000	0.0000	0.0000	0.0000
Age nine	Years nine	0.0000	0.0000	0.0000	0.0000
Age ten	Years ten	0.0000	0.0000	0.0000	0.0000
Age elev	Years elev	0.0000	0.0000	0.0000	0.0000
Age twelv	Years twelv	0.0000	0.0000	0.0000	0.0000
Age thirte	Years thirte	0.0000	0.0000	0.0000	0.0000
Age fourte	Years fourte	0.0000	0.0000	0.0000	0.0000
Age fift	Years fift	0.0000	0.0000	0.0000	0.0000
Age sixt	Years sixt	0.0000	0.0000	0.0000	0.0000
Age seve	Years seve	0.0000	0.0000	0.0000	0.0000
Age eight	Years eight	0.0000	0.0000	0.0000	0.0000
Age nine	Years nine	0.0000	0.0000	0.0000	0.0000
Age ten	Years ten	0.0000	0.0000	0.0000	0.0000
Age elev	Years elev	0.0000	0.0000	0.0000	0.0000
Age twelv	Years twelv	0.0000	0.0000	0.0000	0.0000
Age thirte	Years thirte	0.0000	0.0000	0.0000	0.0000
Age fourte	Years fourte	0.0000	0.0000	0.0000	0.0000
Age fift	Years fift	0.0000	0.0000	0.0000	0.0

## Begin Program

```
<Markup language>

<REM --- Imports the file "datasource.inc" which creates variable "datasource" which is used
to tell markup language datasource to connect to.          --- >

<INCLUDE NAME="database\datasource.inc">

<REM --- In case a database or other type of error occurs, this display the error message. -
-- >

<ERROR>

<FONT FACE="Verdana, Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>

<FONT FACE="Verdana, Arial" SIZE="-1"><B>Error Message = :i_errortext

</B></FONT><P>

<FONT FACE="Verdana, Arial" SIZE="-1"><B>database Error =

:i_databaseerrortext</B></FONT><P>

<FONT FACE="Verdana, Arial" SIZE="-1"><B>database Error = :i_databaseerrorstmt

</B></FONT><P>

</ERROR>

<REM --- Begin normal markup language here          --- >

<markup language>

<HEAD>

<TITLE>Ticketing & Reservation System</TITLE>

</HEAD>

<BODY BACKGROUND="images/background.jpg" TEXT="#000000" LINK="#006666"
VLINK="#006666">

<CENTER>

<IMG SRC="images/masthead_concerts.gif" HEIGHT=60 WIDTH=280><P>

<FONT FACE='Verdana,Arial' SIZE=-1><B>To begin reserving your seat(s), please select
the concert date/time you wish to attend next to the performer you want to
see:</B></FONT>
```

```

<TABLE BORDER=0 CELSPACING=5 CELLPADDING=5>

<REM --- Begin database query to retrieve all performances that is --- >

<REM --- currently available. Will loop until all available --- >

<REM --- performing artists and their performances are listed. --- >

<REM --- Part of the return from the query are the links that will --- >

<REM --- take you to the next step of the reservation. --- >

<database DBNAME=":datasource"

    database="SELECT id, name, picture, sequence
    FROM category
    WHERE active=1 AND parent=-1
    ORDER BY sequence"
    ALIAS="concert">

<databaseFETCH ALIAS="concert">

<WHILE NOTALIAS=i_databaseempty>

<TR>

<TD COLSPAN=2>

<FONT FACE="Verdana,Arial" SIZE=+1><B>:concert_name</B></FONT>

</TD></TR><TR><TD VALIGN="top">

<img src=images/:concert_picture align=top border="1">

</TD><TD>

<Markup language DBNAME=":datasource"

    database="SELECT id, name, date, time
    FROM category
    WHERE active=1 AND parent=:concert_id
    ORDER BY date, time"
    OUTPUT="<FONT FACE='Verdana,Arial' SIZE=-1><B>
    <A HREF='reserve1.ihtml?&id=:1':2</A>
    </B></FONT><p>">

</TD></TR><TR><TD COLSPAN=2><HR></TD></TR>

<databaseFETCH ALIAS="concert">

```

### III

```
</WHILE ALIAS=i_databaseempty>

</database ALIAS="concert">

</TABLE>

</BODY>

</markup language>
```

processing then passes to:

```
<Markup language>

<REM --- Imports the file "datasource.inc" which creates the    --- >

<REM --- variable "datasource" which is used to tell Markup language which    --- >

<REM --- database datasource to connect to.                    --- >

<INCLUDE NAME="database\datasource.inc">

<REM In case a database or other type of error occurs, this will display the error message. >

<ERROR>

<FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =

:i_errortext</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =

:i_databaseerrortext</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =

:i_databaseerrorstmt</B></FONT><P>

</ERROR>

<REM --- Begin normal markup language here --- >

<markup language>

<HEAD>

<TITLE>Ticketing & Reservation System - Select Seat(s)</TITLE>

</HEAD>

<REM --- All seats clicked will pass its information to a input box, "newseats". When done,
the information will be passed to "process.ihtml" and be processed by "reserve2.ihtml". --- >

<REM --- This code allows the ability to select multiple seats before proceeding to the next
step of reservation process. Other features include listing the selected seats in the
```

```
<SCRIPT LANGUAGE="JavaScript">
```

```
function selectseat(idnum, seatnum)
```

```
reserved = document.seats.number.value;
```

{

VALUE=">1"</database><IEQ NAME='total' VALUE=<IEVAL EXPR=">ticketprice +

```
document.seats.number.value = seatnum;
```

```
document.seats.button1.value = "Reserve Seat";
```

```
document.seats.button2.value = "Clear Choice";
```

}

{

```
document.seats.newseats.value += "<Markup language DBNAME=" + datasource
```

```
database='INSERT INTO basket (custid, pid, qty) VALUES (:'+custid, "+idnum+".
```

```
1)><database DBNAME="+"datasource database='SELECT cost FROM products WHERE  
id="+idnum+" "><databaseFETCH><iEQ NAME='ticketprice'
```

VALUE="+"1">/database><iEQ NAME='total' VALUE=<iEVAL EXPR="+"ticketprice +

```
:"total' PREC='2'>><Markup language DBNAME=:"datasource database='INSERT INTO  
orderdetail (pid, oid, qty, sell) VALUES ("idnum+", :oid, 1, :ticketprice)'>";
```

```
document.seats.number.value = reserved+", "+seatnum;
```

[illegible]

```
document.seats.button1.value = "Reserve Seats";
document.seats.button2.value = "Clear Choices";
}
}
function clear()
{
document.seats.newseats.value = "";
}
//-->
</SCRIPT>
<BODY BACKGROUND="images/background.jpg" TEXT="#000000" LINK="#006666"
VLINK="#006666">
<REM --- Begin database query to retrieve the last id number from table "orderdetail" for the
purpose of creating a new instance of the stage image whenever a new order has occurred.
This will prevent the browser from displaying an old floor image from its cache as a different
image name is called every time the file is run. --- >
<database DBNAME=":datasource"
    database="SELECT max(id)
    FROM orderdetail">
    <databaseFETCH>
    <iEQ NAME="imagenum" VALUE=:1>
    <databaseFETCH>
</database>
<iEQ NAME="imagetype" VALUE=".jpg">
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=5 CELLSPACING=0
WIDTH=500>
<TR><TD><CENTER>
<FONT FACE='Verdana,Arial' SIZE=+1 COLOR='#FFFFFF'><B>
Concert Reservation System
```

</B></FONT>

</CENTER>

</TD></TR></TABLE></CENTER><p>

<REM - Loads the core image that will be dynamically altered for use as the image map. - >

<iIMAGEFROMFILE NAME="stage" FILENAME="images/stage.jpg" TYPE="jpeg">

<MAP NAME="stage" BORDER=0>

<REM --- Begin database query to retrieve all seat information for the image map "stage".

Will loop until all available seat information for this particular performance is listed. --- >

<REM --- The return query will be used only if the "active" attribute of that particular seat is marked "true" or "1". --- >

<REM --- If active, the seat's information, including image map coordinates will be displayed. Otherwise, the seat on the image map will be x'd out according to the x and y coordinates associated with it. --- >

<database DBNAME=":datasource"

database="SELECT id, active, x, y, shape, corrd, name, mouseout, mouseover1,  
mouseover2, mouseover3

FROM products

WHERE catid=:id">

<databaseFETCH>

<iWHILE NOTALIAS=i\_databaseempty>

<iEQ NAME="active" VALUE=:2>

<iCASE ALIAS="active" VALUE=1>

<AREA SHAPE=":5" COORDS=":6" HREF="javascript:selectseat(:1,':7')" ALT="Seat # :7"

OnMouseOut=:8 OnMouseOver=:9 :7 :10 :7 :11 >

</iCASE ALIAS="active">

<iCASE ALIAS="active" VALUE=0>

<iIMAGETEXT NAME="stage" TEXT="X" X=:3 Y=:4 COLOR="red">

</iCASE ALIAS="active">

<databaseFETCH>

</iWHILE ALIAS=i\_databaseempty>

```
</database>
```

```
</MAP>
```

```
<CENTER>
```

```
<FONT FACE="Verdana,Arial" SIZE=-1"><B>
```

Click on the seat you wish to reserve.

```
</B></FONT>
```

```
<TABLE BORDER=1 CELLPADDING=0 CELLSPACING=0>
```

```
<TR><TD>
```

```
<REM --- Converts the dynamically generated image, "stage", into a web friendly image
type - "jpeg".      --- >
```

```
<iIMAGEWRITE NAME="stage" FILENAME="images/ch_stage-:id-:imagenum:imagetype"
TYPE="jpeg" QUALITY="30">
```

```
<REM --- Deletes the temporary image "stage" as it is no longer needed. --- >
```

```
<iIMAGEDESTROY NAME="stage">
```

```
<IMG SRC="images/legend.jpg" BORDER=0 HEIGHT=20 WIDTH=584><BR>
```

```
<IMG SRC="images/ch_stage-:id-:imagenum:imagetype" BORDER=0 USEMAP="#stage"
HEIGHT=315 WIDTH=584>
```

```
</CENTER>
```

```
</TD></TR></TABLE>
```

```
<FONT FACE='Verdana,Arial' SIZE=-1><B>
```

An "X" denotes a seat that has already been taken.

```
</B></FONT>
```

```
<FORM NAME="seats" ACTION="process.ihtml" METHOD="post">
```

```
<CENTER>
```

```
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>
```

```
<TR><TD>
```

```
<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1>
```

```
<TR><TD><CENTER>
```

```
<FONT FACE='Verdana,Arial' SIZE=-1><B>
```

Your mouse is over seat#: <INPUT TYPE="text" NAME="seatnum" SIZE=5>

```

</B></FONT></CENTER>

</TD></TR><TR><TD><CENTER>

<FONT FACE='Verdana,Arial' SIZE=-1><B>
Selected Seats:<BR><INPUT TYPE="text" NAME="number" SIZE=40>

<BR>

<INPUT TYPE="hidden" NAME="newseats" SIZE=50>

<INPUT TYPE="submit" NAME="button1" VALUE="Reserve Seat">&nbsp;<INPUT
TYPE="reset" NAME="button2" VALUE="Clear Choice" onClick="clear()">

</B></FONT>

</CENTER>

</TD></TR></TABLE></TD></TR></TABLE></CENTER>

</FORM></CENTER></BODY>

</markup language>

```

which then passes to a template:

```

<Markup language>

<REM --- Imports the file "datasource.inc" which creates the variable "datasource" which is
used to tell Markup language which ODBC datasource to connect to.

<iINCLUDE NAME="database\datasource.inc">

<REM --- In case a database or other type of error occurs, this will display the error
message. - >

<ERROR>

<FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =

:i_errortext</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =

:i_databaseerrortext</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =

:i_databaseerrorstmt</B></FONT><P>

</ERROR>

```



## IX

```

<REM --- Copy a preformatted file, "empty.ihtml" into a new file, --- >

<REM --- "reserve2.ihtml". --- >

<iCOPYFILE SRC="empty.ihtml" DST="reserve2.ihtml">

<REM --- Appends the information passed from "reseve1.ihtml" to "reserve2.ihtml" for
process. Other html information is also passed. --- >

<iFILE NAME="reserve2.ihtml" DATA=":newseats" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="<INPUT TYPE='hidden' NAME='total'
VALUE=:total>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</FORM>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</CENTER>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="<P>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</BODY>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</markup language>" OP="append">

<REM --- Once the information is appended into "reserve2.ihtml", it will be automatically
push the page "reserve2.ihtml" to the browser. --- >

<iREDIR URL="reserve2.ihtml">

```

which then combines information and passes to:

```

<Markup language>

<REM --- Imports the file "datasource.inc" which creates the variable "datasource" which is
used to tell Markup language which ODBC datasource to connect to. --- >

<iINCLUDE NAME="database\datasource.inc">

<REM --- In case a database or other type of error occurs, this will display the error
message. - >

<ERROR>

<FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =

:i_errortext</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =

:i_databaseerrortext</B></FONT><P>

```

```

<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrorstmt</B></FONT><P>

</ERROR>

<REM --- Copy a preformatted file, "empty.ihtml" into a new file, "reserve2.ihtml". --- >
<iCOPYFILE SRC="empty.ihtml" DST="reserve2.ihtml">

<REM --- Appends the information passed from "reseve1.ihtml" to "reserve2.ihtml" for
process. Other html information is also passed. --- >

<iFILE NAME="reserve2.ihtml" DATA=":newseats" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="<INPUT TYPE='hidden' NAME='total'
VALUE=:total>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</FORM>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</CENTER>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="<P>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</BODY>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</markup language>" OP="append">

<REM --- Once the information is appended into "reserve2.ihtml", it will be automatically
push the page "reserve2.ihtml" to the browser.

<iREDIR URL="reserve2.ihtml">

then (takes all information from index & reserve one and combines it to with the information
in empty) then passes to:

<!Markup language>

<REM --- Imports the file "datasource.inc" which creates the variable "datasource" which is
used to tell Markup language which ODBC datasource to connect to. --- >

<iINCLUDE NAME="database\datasource.inc">

<REM -- In case a database or other type of error occurs, this will display the error message.
-- >

<ERROR>

<FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =
:i_errortext</B></FONT><P>

```



	</TR><TR>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Name as appear on CC</B></FONT></TD>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B><INPUT TYPE="text" NAME="name" MAXLENGTH=50 SIZE=40></B></FONT></TD>
	</TR><TR>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Phone</B></FONT></TD>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B><INPUT TYPE="text" NAME="phone" MAXLENGTH=50 SIZE=12></B></FONT></TD>
	</TR><TR>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Email</B></FONT></TD>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B><INPUT TYPE="text" NAME="email" MAXLENGTH=50 SIZE=40></B></FONT></TD>
	</TR><TR>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>CC Number</B></FONT></TD>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B><INPUT TYPE="text" NAME="ccnum" MAXLENGTH=50 SIZE=40></B></FONT></TD>
	</TR><TR>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Expiration (MM/YY)</B></FONT></TD>
	<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Month <INPUT TYPE="text" NAME="ccmexp" MAXLENGTH=50 SIZE=2> / Year <INPUT TYPE="text" NAME="ccyexp" MAXLENGTH=50 SIZE=2> ... example: 12/99</B></FONT></TD>
	</TR><TR>
	<TD COLSPAN=2>
	<CENTER>
	<FONT FACE='Verdana,Arial' SIZE=-1><B>
	<INPUT TYPE="submit" VALUE="Reserve Seats">
	<INPUT TYPE="reset" VALUE="Clear Choices">

</B></FONT>

</CENTER>

</TD></TR>

</TABLE>

</TD></TR></TABLE>

<iEQ NAME="total" VALUE=0>

<iEQ NAME="date" VALUE='<iDATE>'

<REM --- Begin database command to insert a new customer profile into the database. This step is primarily for the purpose of obtaining a new customer id to associate this transaction.

The customer's ip and captured and inserted into a new record in the "customers" table.

The marker, "new" is flagged "true" for the attrieval of the new id. Once the new customer id is captured, the marker "new" is turned off. --- >

<Markup language DBNAME=:datasource

database="INSERT INTO customers (ip, new)

VALUES (:i\_ip',1)">

<database DBNAME=:datasource

database="SELECT id

FROM customers

WHERE new=1">

<databaseFETCH>

<iEQ NAME="custid" VALUE=:1>

</database>

<Markup language DBNAME=:datasource

database="UPDATE customers

SET new=0

WHERE id=:custid">

<REM --- Begin database command to insert a new reservation into the database. This step is primarily for the purpose of creating a new reservation record, flagged with the newly obtained customer id, so that the transaction information may be processed in

"resere3.ihtml".

--- >

<Markup language DBNAME=:datasource

database="INSERT INTO orders (orderdate, approvalcode, receiptnum, totalcharge, custid)

VALUES (:date, '0000', '0000', :total, :custid)"

FAILURE="The order could not be processed at this time due to technical difficulties.">

<REM --- Begin database command to obtain the reservation id that was just created. This information, coupled with the customer id, will be used to identify this particular transaction in the database and be updated in "resere3.ihtml" --- >

<database DBNAME=:datasource

database="SELECT max(id)

FROM orders">

<databaseFETCH>

<iEQ NAME="oid" VALUE=:1>

</database>

<INPUT TYPE="hidden" NAME="reserve" VALUE="receipt">

<INPUT TYPE="hidden" NAME=custid VALUE=:custid>

<INPUT TYPE="hidden" NAME=phone VALUE=:phone>

<INPUT TYPE="hidden" NAME=email VALUE=:email>

<INPUT TYPE="hidden" NAME=oid VALUE=:oid>

<Markup language DBNAME=:datasource database='INSERT INTO basket (custid, pid, qty)

VALUES (:custid, 6431, 1)'><database DBNAME=:datasource database='SELECT cost

FROM products WHERE id=6431'><databaseFETCH><iEQ NAME='ticketprice'

VALUE=:1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':ticketprice + :total'

PREC='2'>><Markup language DBNAME=:datasource database='INSERT INTO orderdetail

(pid, oid, qty, sell) VALUES (6431, :oid, 1, :ticketprice)'><Markup language

DBNAME=:datasource database='INSERT INTO basket (custid, pid, qty) VALUES (:custid,

6428, 1)'><database DBNAME=:datasource database='SELECT cost FROM products

WHERE id=6428'><databaseFETCH><iEQ NAME='ticketprice'

VALUE=:1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':ticketprice + :total'

PREC='2'>><Markup language DBNAME=:datasource database='INSERT INTO orderdetail

```
(pid, oid, qty, sell) VALUES (6428, :oid, 1, :ticketprice)'><Markup language
DBNAME=:datasource database='INSERT INTO basket (custid, pid, qty) VALUES (:custid,
6429, 1)'><database DBNAME=:datasource database='SELECT cost FROM products
WHERE id=6429'><databaseFETCH><iEQ NAME='ticketprice'
VALUE=:1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':ticketprice + :total'
PREC='2'>><Markup language DBNAME=:datasource database='INSERT INTO orderdetail
(pid, oid, qty, sell) VALUES (6429, :oid, 1, :ticketprice)'><Markup language
DBNAME=:datasource database='INSERT INTO basket (custid, pid, qty) VALUES (:custid,
6430, 1)'><database DBNAME=:datasource database='SELECT cost FROM products
WHERE id=6430'><databaseFETCH><iEQ NAME='ticketprice'
VALUE=:1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':ticketprice + :total'
PREC='2'>><Markup language DBNAME=:datasource database='INSERT INTO orderdetail
(pid, oid, qty, sell) VALUES (6430, :oid, 1, :ticketprice)'><INPUT TYPE='hidden'
NAME='total' VALUE=:total></FORM></CENTER><P></BODY></markup language>
```

takes in credit card information and passes to:

```
<!Markup language>
<REM --- Imports the file "datasource.inc" which creates the variable "datasource" which is
used to tell Markup language which ODBC datasource to connect to.
<iINCLUDE NAME="database\datasource.inc">
<REM -- In case a database or other type of error occurs, this will display the error message.
-- >
<ERROR>
<FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =
:i_errortext</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrortext</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrorstmt</B></FONT><P>
</ERROR>
```

```

<REM --- Begin normal markup language here          --- >

<markup language>

<HEAD>

<TITLE>Ticketing & Reservation System - Confirmation</TITLE>

</HEAD>

<BODY BACKGROUND="images/background.jpg" TEXT="#000000" LINK="#006666"
VLINK="#006666">

<REM --- Checks to see if the instance "reserve" with a value of --- >

<REM --- "receipt" is passed to this page. If so, the codes within --- >

<REM --- the iCASE and /iCASE tags are executed. This is primarily --- >

<REM --- for security purposes as the instanced "reserved" is only --- >

<REM --- called in the step immediately before. If a visitor --- >

<REM --- accidentally stumbled upon this file, nothing will be run --- >

<REM --- unless all previous steps are completed. --- >

<iCASE ALIAS="reserve" VALUE="receipt">

<CENTER>

<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=5 CELLSPACING=0
WIDTH=500>

<TR><TD>

<CENTER>

<FONT FACE='Verdana,Arial' SIZE=+1 COLOR='#FFFFFF'><B>

Concert Reservation System

</B></FONT>

</CENTER>

</TD></TR>

</TABLE>

</CENTER><p>

<REM --- Two steps are combined here: --- >

<REM --- 1. The reservation information captured in --- >

<REM --- "reserve2.ihtml" is passed to the iPAY tag which --- >

```



## XVII

```

<REM --- processes the information and passes it to CyberCash --- >
<REM --- for verification. If successful, the tag returns --- >
<REM --- "success", otherwise it returns a variation of "fail" --- >
<REM --- 2. iIF checks to see if the verification is a success or --- >
<REM --- failure. If successful, it will process the codes --- >
<REM --- immediately after it, which includes updating the --- >
<REM --- database with a successful reservation. If anything --- >
<REM --- other than "success" is returned, iIF will skip to --- >
<REM --- the iELSE tag and execute all codes thereafter. --- >

```

```

<iIF COND=<iPAY SERVER="C3"

```

```

    amount=:total

```

```

    id=:oid

```

```

    ccnum=":ccnum"

```

```

    ccmexp=":ccmexp"

```

```

    ccyexp=":ccyexp"

```

```

    name=":name"

```

```

    capture="false"

```

```

    HOST="http://cr.cybercash.com/cgi-bin"

```

```

    PORT=80

```

```

    SECRET="vendorid-26"

```

```

    CRYPTOKEY="j1y1o1ohNU1ciTdPF1hsvHFjlpnCpR">>

```

```

<CENTER>

```

```

<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>

```

```

<TR><TD>

```

```

<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1
WIDTH=500>

```

```

<TR><TD>

```

```

<FONT FACE="Verdana,Arial" SIZE="-1">

```

```

<B>The credit card has been approved and the reservation has been processed.<P>

```

```

The following are the Authorization Code and Receipt Number:</B><p>

```

## XVIII

```

<b>Authorization Code:</b> :i_pay_authnumber<BR>
<b>Receipt Number:</b> :i_pay_transactionnumber<P>
<b>Customer Name:</b> :name<BR>
<b>Total Amount:</b> $:total<BR>
<b>Credit Card Number:</b> :ccnum<BR>
<b>Month of Expiration:</b> :ccmexp<BR>
<b>Year of Expiration:</b> :ccyexp<BR>
<REM --- Begin database query to update the "customers" table with customer information
captured in "reserve2.ihtml".      --- >

<Markup language DBNAME=:datasource
    database="UPDATE customers
    SET contact=:name', phone=:phone', email=:email'
    WHERE id=:custid">

<REM --- Begin database query to update the "orders" table is updated with the approval
code returned by CyberCash, as well as the transaction information (total charge, credit card
number, etc).      --- >

<Markup language DBNAME=:datasource
    database="UPDATE orders
    SET approvalcode=:i_pay_authnumber',
receiptnum=:i_pay_transactionnumber', totalcharge=:total,cc=:ccnum', ccm=:ccmexp',
ccy=:ccyexp'

    WHERE id=:oid"

    FAILURE="The information was not saved correctly.<br>">

<REM --- Begin database query to turn off the availability of the seats that have been
reserved by setting the "active" attribute of the seats to "0".      --- >

<database ALIAS="markoff" dbname=":datasource" database="SELECT pid FROM
orderdetail WHERE oid=:oid">

    <databaseFETCH ALIAS="markoff">

    <iWHILE NOTALIAS=i_databaseempty>

        <Markup language dbname=":datasource"

```

&lt;/database ALIAS="markoff"&gt;

</FONT>

&lt;/TABLE&gt;

&lt;/TABLE&gt;

</CENTER><p>

&lt;i&gt;ELSE&lt;/i&gt;

<CENTER>

<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>	
--	--

&lt;TR&gt;&lt;TD&gt;

<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1
---

WIDTH=500>

<TR><TD>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>

This transaction could not be processed by Cyber Cash at this time. Either the Credit Card

Information was invalid or the Cyber Cash server is currently not available.

</B></FONT>

&lt;/TABLE&gt;

&lt;/TABLE&gt;

</CENTER>

</iIF>

&lt;FORM ACTION="index.ihtml" METHOD="post"&gt;

```

<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>
<TR><TD>
<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1
WIDTH=500>
<TR><TD>
<CENTER>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>
<INPUT TYPE="submit" VALUE="Return to Concert Selection">
</B></FONT>
</CENTER>
</TD></TR>
</TABLE>
</TD></TR>
</TABLE>
</CENTER>
</FORM>
<FORM ACTION="http://domainname/filename" METHOD="post">
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>
<TR><TD>
<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1
WIDTH=500>
<TR><TD>
<CENTER>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>
<INPUT TYPE="submit" VALUE="Return to On-Line Ticketing & Reservation Front Desk">
</B></FONT></CENTER>
</TD></TR></TABLE></TD></TR></TABLE></CENTER>
</FORM>

```

</iCASE ALIAS="reserve">

</BODY>

</markup language>

**which** verifies and confirms payment information

End Figure 5

Please type a plus sign (+) inside this box → ☒

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> <b>(37 CFR 1.63)</b>  <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	<b>Attorney Docket Number</b>	
	<b>First Named Inventor</b>	Richard A. Halavais
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	/
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Individual Seat Selection Ticketing and Reservation System

the specification of which

(Title of the Invention)

☒ is attached hereto  
OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent  
Number

Parent Filing Date  
(MM/DD/YYYY)

Parent Patent Number  
(if applicable)

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OR

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Registration  
Number

Name

Registration  
Number

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☐ Customer Number  
or Bar Code Label

OR ☒ Correspondence address below

Name

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Address

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Address

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State

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ZIP

92807

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714-693-1171

Fax

714-693-3625

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☒ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))

Family Name or Surname

Richard Arthur

Halavais

Inventor's  
Signature

Date

4/19/99

Residence: City

Anaheim Hills

State

CA

Country

U.S.A.

Citizenship

U.S.

Post Office Address

5100 E. La Palma Avenue

Post Office Address

Suite 202

City

X

State

CA

ZIP

92807

Country

U.S.A.

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto


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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

<b>Name of Additional Joint Inventor, if any:</b>				<input checked="" type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Tony Cheng-Tong				Chung				
Inventor's Signature					Date		4/19/99	
Residence: City		Diamond Bar	State	CA	Country	U.S.A.	Citizenship	U.S.A.
Post Office Address		2035 Viento Verano Drive						
Post Office Address								
City		Diamond Bar	State	CA	ZIP	91765	Country	U.S.A.
<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Inventor's Signature					Date			
Residence: City			State		Country		Citizenship	
Post Office Address								
Post Office Address								
City			State		ZIP		Country	
<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Inventor's Signature					Date			
Residence: City			State		Country		Citizenship	
Post Office Address								
Post Office Address								
City			State		ZIP		Country	

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